

# Molecular and Cellular Biochemistry:

An International Journal for Chemical Biology in Health and Disease

## CONTENTS VOLUME 258, Nos. 1 & 2, March 2004

J.Y. Kong and S.W. Rabkin: Reduction of palmitate-induced cardiac apoptosis by fenofibrate	1-13
H. Liu, S. Liu, S. Tang, K. Ji, F. Wang, J. Shan and S. Hu: Molecular analysis of signaling events mediated by the cytoplasmic domain of leukemia inhibitory factor receptor $\alpha$ subunit	15-23
T. Kawano, J. Horiguchi-Yamada, S. Iwase, Y. Furukawa, Y. Kano and H. Yamada: Inactivation of ERK accelerates erythroid differentiation of K562 cells induced by herbimycin A and ST1571 while activation of MEK1 interferes with it	25-33
S. Belmadani, C. Pois, R. Fischmeister and P.-F. Méry: Post-translational modifications of tubulin and microtubule stability in adult rat ventricular myocytes and immortalized HL-1 cardiomyocytes	35-48
C. Marty-Detraves, F. Francis, L. Barcault, D. Fournier and L. Paquereau: Inhibitory action of a new lectin from <i>Xerocomus chrysenteron</i> on cell-substrate adhesion	49-55
M. Sugano, K. Tsuchida and N. Makino: Effects of soluble TNF-alpha receptor 1 on apoptosis induced by oxidized LDL in endothelial cells	57-63
B.G. Gabrielson, A.C. Karlsson, M. Lönn, L.E. Olofsson, J.M. Johansson, J.S. Torgerson, L. Sjöström, B. Carlsson, S. Edén and L.M.S. Carlsson: Molecular characterization of a local sulfonylurea system in human adipose tissue	65-71
S. Das, M. Mandal, A. Mandal, T. Chakraborti and S. Chakraborti: Identification, purification and characterization of matrix metalloproteinase-2 in bovine pulmonary artery smooth muscle plasma membrane	73-89
C. Muscari, C. Gamberini, F. Bonafe', E. Giordano, C. Bianchi, G. Lenaz and C.M. Calderara: Evaluation of cellular energetics by the Pasteur effect in intact cardiomyoblasts and isolated perfused hearts	91-97
D. Vandroux, C. Schaeffer, C. Tissier, A. Lalande, S. Bès, L. Rochette and P. Athias: Microtubule alteration is an early cellular reaction to the metabolic challenge in ischemic cardiomyocytes	99-108
V.V. Headley, R. Tanveer, S.M. Greene, A. Zweifach and J.D. Port: Reciprocal regulation of beta-adrenergic receptor mRNA stability by mitogen activated protein kinase activation and inhibition	109-119
S. Kopprasch, J. Pietzsch and J. Graessler: The protective effects of HDL and its constituents against neutrophil respiratory burst activation by hypochlorite-oxidized LDL	121-127
A.K. Padival, K.S. Hawkins and C. Huang: High glucose-induced membrane translocation of PKC $\beta$ I is associated with Arf6 in glomerular mesangial cells	129-135
M. Yamaguchi and S. Uchiyama: $\beta$ -Cryptoxanthin stimulates bone formation and inhibits bone resorption in tissue culture <i>in vitro</i>	137-144
A.M. Hussain and A.K. Mitra: Effect of reactive oxygen species on the metabolism of tryptophan in rat brain: Influence of age	145-153
C.H. Lopez, J. Constantin, D. Gimenes, F. Suzuki-Kemmelmeyer and A. Bracht: Heterogenic response of the liver parenchyma to ethanol studied in the bivascularly perfused rat liver	155-162
S. Ahmad, B. Untch, S. Haas, D.A. Hoppenstedt, F. Misselwitz, H.L. Messmore, J.M. Walenga and J. Fareed: Differential prevalence of anti-heparin-PF4 immunoglobulin subtypes in patients treated with clivarin and heparin: Implications in the HIT pathogenesis	163-170
P. Degrace, L. Demizeux, J. Gresti, M. Tsoko, A. André, L. Demaison and P. Clouet: Fatty acid oxidation and related gene expression in heart depleted of carnitine by mildronate treatment in the rat	171-182
M. Fujita, Y. Nagai, T. Sawada and K. Heese: Identification of rTid-1, the rat homologue of the <i>drosophila</i> tumor suppressor <i>l(2)tid</i> gene	183-189
C.N. Martini, S.G. Vaena de Avalos and M. del Carmen Vila: ACTH stimulates the release of alkaline phosphatase through Gi-mediated activation of a phospholipase C and the release of inositol-phosphoglycan	191-199
M.J. MacDonald: Production and export of metabolites from liver and heart mitochondria and anaplerosis	201-210
D. Kumar, V. Menon, W.R. Ford, A.S. Clanahan and B.I. Jugdutt: Effect of angiotensin II type 2 receptor blockade on mitogen activated protein kinases during myocardial ischemia-reperfusion	211-218
<i>Short communication</i>	
D. Kaul, P.K. Anand and I. Verma: Cholesterol-sensor initiates <i>M. tuberculosis</i> entry into human macrophages	219-222
<i>Index to Volume 258</i>	223-225
<i>Instructions to Authors</i>	227